

# AIR QUALITY PROBLEMS IN THE SAN FRANCISCO BAY REGION

INSTITUTE OF GOVERNMENTAL  
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POLLUTANT	EXTENT OF PROBLEM*			
	NO. OF DAYS OVER STANDARD	1-24	25-49	>50
OXIDANT		○	○	●
CARBON MONOXIDE		△	△	▲
PARTICULATES		□	□	■
SULPHUR DIOXIDE		▽	▽	▽

\* Based on observations at monitoring stations.

Sources responsible for air quality problems may not be located in the same areas in which the problems are observed, since winds can transport pollutants from one part of the region to another. Lack of a pollutant symbol at various sites does not necessarily imply no air quality problem exists for that pollutant.

## AIR POLLUTION IN THE BAY AREA BY STATION AND CONTAMINANT: 1974

For oxidant and for nitrogen dioxide, "max" is the highest hourly average value expressed in part per hundred million. For carbon monoxide, "max" is highest 8-hour average value in parts per million. (The one-hour standard for CO was never exceeded during the year.)

For sulfur dioxide, "max" is highest 24-hour average value expressed in parts per million. For total suspended particulates (TSP) "mean" is annual geometric mean in micrograms per cubic meter.

Stations	Ox Max.	*1	**2	CO Max.	*	NO <sub>2</sub> Max.	*	SO <sub>2</sub> Max.	+	TSP Mean	***
San Francisco	14	4	4	9.9	2	16	0	.070	0	57	6.0
San Rafael	12	2	8	8.1	—	17	0	.015	0	39	2.5
Richmond	11	1	1	7.0	0	15	0	.041	0	45	1.7
Pittsburg	15	21	30	7.0	0	11	0	.028	0	50	5.0
Concord	16	20	35	9.2	1	20	0	.021	0	46	5.0
Walnut Creek	15	18	31	—	—	—	—	—	—	—	—
Oakland	13	3	6	9.5	—	25	—	—	—	—	—
San Leandro	18	20	31	—	—	—	—	—	—	—	—
Hayward	23	35	48	—	—	—	—	—	—	—	—
Fremont	22	41	61	7.6	0	19	0	.012	0	57	9.2
Livermore	28	83	93	6.4	—	18	0	.006	0	74	28.2
San Jose	28	69	87	16.9	14	30	4	.016	0	59	12.0
Alum Rock (NS)	24	77	96	—	—	—	—	—	—	—	—
Gilroy (NS)	17	44	63	5.9	0	13	0	.004	0	—	—
Los Gatos	25	53	69	—	—	—	—	—	—	—	—
Sunnyvale	18	31	46	9.1	2	31	3	.008	0	41	2.5
Mountain View	15	15	18	—	0	33	2	.017	0	50	5.8
Redwood City	18	11	20	8.8	—	—	—	—	—	39	0.8
Burlingame	16	10	18	9.8	2	—	—	.038	0	—	—
Petaluma	14	10	13	—	—	—	—	—	—	—	—
Santa Rosa	10	4	6	8.0	0	15	0	.006	0	43	2.6
Napa	13	22	32	10.1	1	0	—	.019	0	59	6.7
Vallejo	16	22	28	11.9	14	14	0	.015	0	61	14.3
Fairfield	15	26	38	—	—	—	—	—	—	—	—

(NS) Indicates new station, activated during 1974.

\* Number of days ambient air quality standard was exceeded. \*1 State oxidant standard  $\geq 10$  ppm. \*\*2 Federal oxidant standard  $> 8$  ppm.

+ Percent of observed days when State air quality standard was exceeded.

\*\*\* Percent of observed days when State air quality standard (100  $\mu\text{g}/\text{m}^3$  for 24 hours) was exceeded.

0 10 20 MILES

ASSOCIATION OF BAY AREA GOVERNMENTS

Based on information provided by the Bay Area Air Pollution Control District.

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